

IN THE CLAIMS

Claims 1-15 (Cancelled)

Please add the following new claims 16-49.

Claim 16. (New) An embroidery machine comprising:

a plurality of sewing heads installed at an upper portion of a working table while being spaced a predetermined distance apart from each other;

a plurality of shuttle beds being located at positions vertically corresponding to the sewing heads, the shuttle beds being arranged in a line;

a plurality of embroidering frames installed between the sewing heads and the shuttle beds while being movable in X- and Y- axis directions;

a plurality of X-axis, drivers for moving each of the embroidering frames in the X-axis direction;

a plurality of Y-axis driver for moving each of the embroidering frames in the Y-axis direction;

controller for controlling driving of the X and Y axis drivers;

operating panel for displaying all information required for an embroidery pattern and an operation of embroidering and enabling input of the information; and

embroidering frames having at least two different structures, which each of the embroidering frames is arranged for one of at least two working groups which the sewing heads are grouped into, and

wherein each of the embroidering frames includes at least one of a border

frame unit, a tubular frame unit, and a cap frame drive unit, and a plurality of units corresponding to the plurality of heads are installed at each of the work groups are integrally formed on each other when the embroidery frame is the tubular frame unit or the cap frame drive unit.

Claim 17. (New) An embroidery machine as claimed in claim 16, wherein each of X and Y axis drivers includes a moving member and a driving source for moving the moving member, and the driving source is a rotary motor.

Claim 18. (New) An embroidery machine as claimed in claim 16, wherein the controller allows a worker to operate or stop one of the X and Y-axis drivers.

Claim 19. (New) An embroidery machine as claimed in claim 16, wherein controller allows the plurality of embroidering frames to selectively embroider one pattern or different patterns, respectively.

Claim 20. (New) An embroidery machine as claimed in claim 16, wherein operating panel provided in the plurality of working groups is one.

Claim 21. (New) An embroidery machine as claimed in claim 16, wherein the operating panel is located at a boundary between two working groups when the two working groups are used.

Claim 22. (New) An embroidery machine as claimed in claim 16, wherein the operating panel simultaneously or sequentially embroidering pattern and progress information for all working groups being in progress.

Claim 23. (New) An embroidery machine as claimed in claim 16, wherein controller which controls driving of the X and Y axis drivers is one.

Claim 24. (New) An embroidery machine comprising:

- a plurality of sewing heads installed at an upper portion of a working table while being spaced a predetermined distance apart from each other;
- a plurality of shuttle beds being located at positions vertically corresponding to the sewing: heads, the shuttle beds being arranged in a line;
- a plurality of embroidering frames installed between the sewing heads and the shuttle beds while being movable in X- and Y- axis directions;
- a plurality of X-axis drivers for moving each of the embroidering frames in the X-axis direction a plurality of V-axis driver for moving each of the embroidering frames in the Y-axis direction;

controller for controlling driving of the X and Y axis drivers; and

operating panel for displaying all information required for an embroidery pattern and an operation of embroidering and enabling input of the information;

embroidering frames having at least two different structures, which each of the embroidering frames is arranged for one of at least two working groups which the sewing heads are grouped into, and

wherein the operating panel be located at a boundary between two working groups when the two working groups are used.

Claim 25. (New) An embroidery machine as claimed in claim 24, wherein each of the embroidering frames includes at least one of a border frame unit, a tubular frame unit, and a cap frame drive unit.

Claim 26. (New) An embroidery machine as claimed in claim 25, wherein a plurality of units corresponding to the plurality of heads are installed at each of the work groups are integrally formed on each other when the embroidery frame is the tubular frame unit or the cap frame drive unit.

Claim 27. (New) An embroidery machine as claimed in claim 24, wherein each of X and V axis drivers includes a moving member and a driving source for moving the moving member, and the driving source is a rotary motor.

Claim 28. (New) An embroidery machine as claimed in claim 24, wherein the controller allows a worker to operate or stop one of the X and Y-axis drivers.

Claim 29. (New) An embroidery machine as claimed in claim 24, wherein the controller allows the plurality of embroidering frames to selectively embroider one pattern or different patterns, respectively.

Claim 30. (New) An embroidery machine as claimed in claim 24, wherein operating panel provided in the plurality of working groups is one.

Claim 31. (New) An embroidery machine as claimed in claim 24, wherein the operating panel simultaneously or sequentially embroidering pattern and progress information for all working groups being in progress.

Claim 32. (New) An embroidery machine as claimed in claim 24, wherein the controller which controls driving of the X and Y-axis drivers is one.

Claim 33. (New) An embroidery machine comprising:
a plurality of sewing heads installed at an upper portion of a working table while being spaced a predetermined distance apart from each other;
a plurality of shuttle beds being located at positions vertically corresponding to the sewing heads, the shuttle beds being arranged in a line;
a plurality of embroidering frames installed between the sewing heads and the shuttle beds while being movable in X- and Y- axis directions;
a plurality of X-axis drivers for moving each of the embroidering frames in the X-axis direction;

a plurality of Y-axis driver for moving each of the embroidering frames in the Y-axis direction;

controller or controlling driving of the X and Y axis drivers;

operating panel for displaying all information required for an embroidery pattern and an operation of embroidering and enabling input of the information; and

embroidering frames having structures identical to each other, which each of the embroidering frames is arranged for one of at least two working groups which the sewing heads are grouped into, and

wherein each of the embroidering frames includes anyone of a border frame unit, a tubular frame unit, or a cap frame drive unit, and a plurality of units corresponding to the plurality of heads are installed at each of the work groups are integrally formed on each other when the embroidery frame is the tubular frame unit or the cap frame drive unit.

Claim 34. (New) An embroidery machine as claimed in claim 33, wherein each of X and Y axis drivers includes a moving member and a driving source for moving the moving member, and the driving source is a rotary motor.

Claim 35. (New) An embroidery machine as claimed in claim 33, wherein the controller allows a worker, to operate or stop one of the X and Y-axis drivers.

Claim 36. (New) An embroidery machine as claimed in claim 33, wherein the controller allows the plurality of embroidering frames to selectively embroider one pattern or different patterns, respectively.

Claim 37. (New) An embroidery machine as claimed in claim 33, wherein

operating panel provided in the plurality of working groups is one.

Claim 38. (New) Embroidery machines claimed in claim 33, wherein the operating panel is located at a boundary between two working groups when the two working groups are used.

Claim 39. (New) An embroidery machine as claimed in claim 33, wherein the operating panel simultaneously or sequentially embroidering pattern and progress information for all working groups being in progress.

Claim 40. (New) An embroidery machine as claimed in claim 33, wherein controller which controls driving of the X and Y axis drivers is one.

Claim 41. (New) An embroidery machine comprising:

- a plurality of sewing heads installed at an upper portion of a working table while being spaced a predetermined distance apart from each other;
- a plurality of shuttle heads being located at positions vertically corresponding to the sewing heads, the shuttle beds being arranged in a line;
- a plurality of embroidering frames installed between the sewing heads and the shuttle beds while being movable in X- and Y- axis directions;
- a plurality of X-axis drivers for moving each of the embroidering frames in the X-axis direction;
- a plurality of Y-axis driver for moving each of the embroidering frames in the Y-axis direction;
- controller for controlling driving of the X and Y axis drivers; and
- operating panel for displaying all information required for an embroidery pattern

and an operation of embroidering and enabling input of the information;

embroidering frames having structures identical to each other, which each of the embroidering frames is arranged for one of at least two working groups which the sewing heads are grouped into, and

wherein the operating panel be located at a boundary between two working groups when the two working groups are used.

Claim 42. (New) An embroidery machine as claimed in claim 41, wherein each of the embroidering frames includes anyone of a border frame unit, a tubular frame unit, or a cap frame drive unit.

Claim 43. (New) An embroidery machine as claimed in claim 42, wherein a plurality of units corresponding to the plurality of heads are installed at each of the work groups are integrally formed on each other when the embroidery frame is the tubular frame unit or the cap frame drive unit.

Claim 44. (New) An embroidery machine as claimed in claim 41, wherein each of X and V axis drivers includes, a moving member and a driving source for moving the moving member, and the driving source is a rotary motor.

Claim 45. (New) An embroidery machine as claimed in claim 41, wherein the controller allows a worker to operate or stop one of the X and V-axis drivers.

Claim 46. (New) An embroidery machine as claimed in claim 41, wherein the controller allows the plurality of embroidering frames to selectively embroider one pattern or different patterns, respectively.

Claim 47. (New) An embroidery machine as claimed in claim 41, wherein operating panel provided in the plurality of working groups is one.

Claim 48. (New) An embroidery machine as claimed in claim 41, wherein the operating panel simultaneously or sequentially embroidering pattern and progress information for all working groups being in progress.

Claim 49. (New) An embroidery machine as claimed in claim 41, wherein controller which controls driving of the X and Y-axis drivers is one.